

CLAIMS

1. A refrigeration device with a storage compartment, a compressor (1), a refrigerant circuit for cooling the storage compartment, which comprises a high-pressure area connected to an output of the compressor (1) and a low-pressure area connected to an input of the compressor (1), and a drain pan (4,4', 4") for condensation water leaving the storage compartment, characterised in that a heat exchanger (7,7") thermally coupled to the drain pan (4,4', 4") is incorporated into the high-pressure area.
2. The refrigeration device as claimed in Claim 1, characterised in that the heat exchanger (7,7") in the refrigerant circuit is arranged in between a high-pressure output (3,3') of the compressor (1) and a liquefier (9).
3. The refrigeration device as claimed in Claim 1 or 2, characterised in that the heat exchanger (7) has a pipe (6) through which a refrigerant flows, which is enclosed on at least a part of its periphery by the condensation water.
4. The refrigeration device as claimed in Claim 3, characterised in that the pipe (6) is arranged to dip into the drain pan (4,4").
5. The refrigeration device as claimed in Claim 3, characterised in that the pipe is integrated in a wall (14) of the drain pan (4").
6. The refrigeration device as claimed in any one of the preceding claims, characterised in that the heat exchanger (7,7") is made at least partially of a material releasing copper or silver ions.

7. The refrigeration device as claimed in Claim 3 and Claim 6, characterised in that the pipe (6) is a copper pipe.
8. The refrigeration device as claimed in any one of the preceding claims, characterised in that the drain pan (4, 4', 4'') is mounted on a compressor (1) of the refrigerant circuit.
9. The refrigeration device as claimed in Claim 8, characterised in that the drain pan (4', 4'') is formed partially by a wall of a housing of the compressor (1) and partially by a cap mounted tightly on this housing.
10. The refrigeration device as claimed in Claim 9, characterised in that a refrigerant outlet opening (3') of the housing (1) is arranged on the part of the wall enclosed by the cap.